

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		
INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/JP00/06471	21 September 2000	21 September 1999

## TITLE OF INVENTION

NOVEL TRANSDOLASE GENE

## APPLICANT(S) FOR DO/EO/US

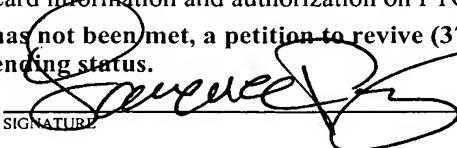
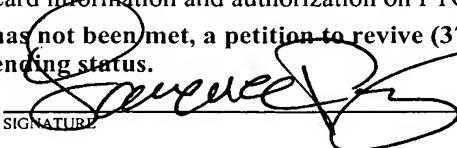
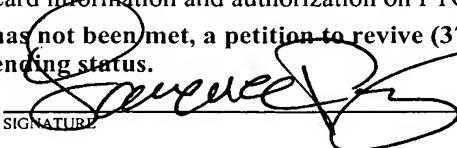
Masato Ikeda, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected by the expiration of 19 months from the priority date (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  has been transmitted by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  have been transmitted by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  A translation of the amendments to the claims under PCT Article 19 into English (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 into English (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern other document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A **FIRST** preliminary amendment.
14.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
15.  A substitute specification.
16.  A change of power of attorney and/or address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information: Application Data Sheet; Form PCT/RO/101; Form PCT/ISA/210; Form PCT/IB/308; Form PCT/IB/332; Form PCT/IB345; Form PCT/IB/301; Form PCT/IB/304; Form PCT/IB/338 and Form PCT/IPEA/409.

U.S. APPLICATION NO. (If known, see 37 C.F.R.1.5) <b>10/088594</b>		INTERNATIONAL APPLICATION NO. PCT/JP00/06471	ATTORNEY'S DOCKET NUMBER 00005.001198																																																																																																																																				
21. <input checked="" type="checkbox"/> The following fees are submitted:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><b>Basic National Fee (37 CFR 1.492(a)(1)-(5):</b></td> </tr> <tr> <td>Search Report has been prepared by the EP or JPO .....</td> <td style="text-align: right;">\$890.00</td> </tr> <tr> <td>International preliminary examination fee paid to USPTO</td> <td></td> </tr> <tr> <td>(37 CFR 1.492(a)(1)) .....</td> <td style="text-align: right;">\$710.00</td> </tr> <tr> <td>No international preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)) but international search fee paid to USPTO (37 CFR 1.492(a)(2)) .....</td> <td style="text-align: right;">\$740.00</td> </tr> <tr> <td>Neither international preliminary examination fee (37 CFR 1.492(a)(1)) nor international search fee (37 CFR 1.492(a)(2)) paid to USPTO .....</td> <td style="text-align: right;">\$1,040.00</td> </tr> <tr> <td>International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(4)) and all claims satisfied provisions of PCT Article 33(1)-(4) .....</td> <td style="text-align: right;">\$100.00</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></td> </tr> <tr> <td colspan="2">Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</td> <td style="text-align: right;">\$</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">Claims</td> <td>Number Filed</td> <td>Number Extra</td> <td>Rate</td> </tr> <tr> <td colspan="2">Total Claims</td> <td>39 - 20 =</td> <td>19</td> <td>X \$18.00</td> </tr> <tr> <td colspan="2">Independent Claims</td> <td>4 - 3 =</td> <td>1</td> <td>X \$84.00</td> </tr> <tr> <td colspan="2">Multiple dependent claim(s) (if applicable)</td> <td></td> <td style="text-align: right;">+ \$280.00</td> <td>\$280.00</td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td style="text-align: right;"><b>\$1596.00</b></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> <td style="text-align: right;">+</td> <td colspan="2">\$</td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"><b>SUBTOTAL =</b></td> <td style="text-align: right;"><b>\$1596.00</b></td> </tr> <tr> <td colspan="2">Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td style="text-align: right;">\$</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"><b>TOTAL NATIONAL FEE =</b></td> <td style="text-align: right;"><b>\$1596.00</b></td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +</td> <td style="text-align: right;">\$40.00</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"><b>TOTAL FEES ENCLOSED =</b></td> <td style="text-align: right;"><b>\$1636.00</b></td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"><b>Amount to be:</b></td> <td></td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"><b>refunded</b></td> <td style="text-align: right;"><b>\$</b></td> </tr> <tr> <td colspan="2"></td> <td colspan="2" style="text-align: center;"><b>charged</b></td> <td style="text-align: right;"><b>\$</b></td> </tr> <tr> <td>a. <input checked="" type="checkbox"/> A check in the amount of <u>\$ 1636.00</u> to cover the above fees is enclosed.</td> <td colspan="4"></td> </tr> <tr> <td>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</td> <td colspan="4"></td> </tr> <tr> <td>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1205</u>. A duplicate copy of this sheet is enclosed.</td> <td colspan="4"></td> </tr> <tr> <td>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</td> <td colspan="4"></td> </tr> <tr> <td colspan="5"><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></td> </tr> <tr> <td colspan="5">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="5">   <b>Lawrence S. Perry</b>  FITZPATRICK, CELLA, HARPER &amp; SCINTO  30 Rockefeller Plaza  New York, NY 10112  Tel: (212) 218-2100  Fax: (212) 218-2200 </td> </tr> <tr> <td colspan="5"> <b>Lawrence S. Perry</b>  NAME    <b>31,865</b>  REGISTRATION NUMBER </td> </tr> </table>			<b>Basic National Fee (37 CFR 1.492(a)(1)-(5):</b>		Search Report has been prepared by the EP or JPO .....	\$890.00	International preliminary examination fee paid to USPTO		(37 CFR 1.492(a)(1)) .....	\$710.00	No international preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)) but international search fee paid to USPTO (37 CFR 1.492(a)(2)) .....	\$740.00	Neither international preliminary examination fee (37 CFR 1.492(a)(1)) nor international search fee (37 CFR 1.492(a)(2)) paid to USPTO .....	\$1,040.00	International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(4)) and all claims satisfied provisions of PCT Article 33(1)-(4) .....	\$100.00	<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$			Claims		Number Filed	Number Extra	Rate	Total Claims		39 - 20 =	19	X \$18.00	Independent Claims		4 - 3 =	1	X \$84.00	Multiple dependent claim(s) (if applicable)			+ \$280.00	\$280.00			<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1596.00</b>	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		+	\$				<b>SUBTOTAL =</b>		<b>\$1596.00</b>	Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$					<b>TOTAL NATIONAL FEE =</b>		<b>\$1596.00</b>	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +		\$40.00					<b>TOTAL FEES ENCLOSED =</b>		<b>\$1636.00</b>			<b>Amount to be:</b>					<b>refunded</b>		<b>\$</b>			<b>charged</b>		<b>\$</b>	a. <input checked="" type="checkbox"/> A check in the amount of <u>\$ 1636.00</u> to cover the above fees is enclosed.					b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1205</u> . A duplicate copy of this sheet is enclosed.					d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>					SEND ALL CORRESPONDENCE TO:					 <b>Lawrence S. Perry</b> FITZPATRICK, CELLA, HARPER & SCINTO 30 Rockefeller Plaza New York, NY 10112 Tel: (212) 218-2100 Fax: (212) 218-2200					<b>Lawrence S. Perry</b> NAME  <b>31,865</b> REGISTRATION NUMBER				
<b>Basic National Fee (37 CFR 1.492(a)(1)-(5):</b>																																																																																																																																							
Search Report has been prepared by the EP or JPO .....	\$890.00																																																																																																																																						
International preliminary examination fee paid to USPTO																																																																																																																																							
(37 CFR 1.492(a)(1)) .....	\$710.00																																																																																																																																						
No international preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)) but international search fee paid to USPTO (37 CFR 1.492(a)(2)) .....	\$740.00																																																																																																																																						
Neither international preliminary examination fee (37 CFR 1.492(a)(1)) nor international search fee (37 CFR 1.492(a)(2)) paid to USPTO .....	\$1,040.00																																																																																																																																						
International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(4)) and all claims satisfied provisions of PCT Article 33(1)-(4) .....	\$100.00																																																																																																																																						
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>																																																																																																																																							
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$																																																																																																																																					
Claims		Number Filed	Number Extra	Rate																																																																																																																																			
Total Claims		39 - 20 =	19	X \$18.00																																																																																																																																			
Independent Claims		4 - 3 =	1	X \$84.00																																																																																																																																			
Multiple dependent claim(s) (if applicable)			+ \$280.00	\$280.00																																																																																																																																			
		<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1596.00</b>																																																																																																																																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		+	\$																																																																																																																																				
		<b>SUBTOTAL =</b>		<b>\$1596.00</b>																																																																																																																																			
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$																																																																																																																																					
		<b>TOTAL NATIONAL FEE =</b>		<b>\$1596.00</b>																																																																																																																																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +		\$40.00																																																																																																																																					
		<b>TOTAL FEES ENCLOSED =</b>		<b>\$1636.00</b>																																																																																																																																			
		<b>Amount to be:</b>																																																																																																																																					
		<b>refunded</b>		<b>\$</b>																																																																																																																																			
		<b>charged</b>		<b>\$</b>																																																																																																																																			
a. <input checked="" type="checkbox"/> A check in the amount of <u>\$ 1636.00</u> to cover the above fees is enclosed.																																																																																																																																							
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.																																																																																																																																							
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-1205</u> . A duplicate copy of this sheet is enclosed.																																																																																																																																							
d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.																																																																																																																																							
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>																																																																																																																																							
SEND ALL CORRESPONDENCE TO:																																																																																																																																							
 <b>Lawrence S. Perry</b> FITZPATRICK, CELLA, HARPER & SCINTO 30 Rockefeller Plaza New York, NY 10112 Tel: (212) 218-2100 Fax: (212) 218-2200																																																																																																																																							
<b>Lawrence S. Perry</b> NAME  <b>31,865</b> REGISTRATION NUMBER																																																																																																																																							